

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

SOON-YOUNG EOM

Application No.:

Filed:

For: **broadband phase shifter using coupled
lines and parallel open/short stubs**

Art Group:

Examiner:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted concurrently with the . It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Date: _____

4/12/09

Respectfully submitted,

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Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Information Disclosure Statement

New U.S. Patent Application for
BROADBAND PHASE SHIFTER USING COUPLED LINES AND
PARALLEL OPEN/SHORT STUBS

Our Ref. No.: P03EB022/US/jy

Reference No.:

- (1) A 4.5 to 18 GHz Phase Shifter
(1985 IEEE MTT-S Digest, Pages 601-604)
- (2) Novel Schiffman Phase Shifters
(IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, VOL. 41, NO. 1, JANUARY 1993, PAGES 9-14)
- (3) US Patent No. 4,612,520
- (4) Try $\lambda/8$ Stubs For Fast Fixed Phase Shifts
(Microwaves, December 18, 1979, Pages 67-68)